

INTERNATIONAL SEARCH REPORT

 International application No.
PCT/AU00/00864

A. CLASSIFICATION OF SUBJECT MATTER		
Int. Cl. ⁷ : C12N 15/12, 15/11; C12Q 1/68; C07K 14/475, 16/18; A61K 38/18, G01N 33/68.		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) WORLD PATENT INDEX (WPAT) AND CHEMICAL ABSTRACTS (CA) KEYWORDS (KW) - SEE ELECTRONIC DATABASE BOX BELOW.		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Medline (ML) Kw Genbank, Genpept, EMBL, PIR and Dgene (Derwent)- sequences (See Electronic Database Box Below).		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPAT, CA, ML: KW "osteoclast? inhibit?"; "osteoprotegerin and osteoblast"; Genbank, Genpept, EMBL, Dgene: Sequences as defined in the claims (eg seq id nos. 2, 4, 7-16, 18-56).		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Genbank accession no. AF121352 (published 15 June 1999) -	1-13, 32, 33 and 35. SEQ ID NOS:2-17, 19, 22-24, 28, 29, 32, 33, 36-39 and 54.
P, X	Genbank accession no. AF192526 (published 1 November 1999) -	1-4, 32, 33 and 35. SEQ ID NOS:13 and 15.
P, X	Genbank accession no. AF133299 (published 1 January 2000) -	1-4, 32, 33 and 35. SEQ ID NOS:43-47, 55 and 56.
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* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 6 September 2000		Date of mailing of the international search report 15 SEP 2000
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929		Authorized officer J H CHAN Telephone No : (02) 6283 2340

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<p>* Special categories of cited documents:</p> <table border="0"> <tr> <td>"A" document defining the general state of the art which is not considered to be of particular relevance</td> <td>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"E" earlier application or patent but published on or after the international filing date</td> <td>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"O" document referring to an oral disclosure, use, exhibition or other means</td> <td>"&" document member of the same patent family</td> </tr> <tr> <td>"P" document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </table>			"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family	"P" document published prior to the international filing date but later than the priority date claimed	
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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/AU00/00864

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
WO	9828423	AU	59015/98	EP	951546	US	5985832
AU	702557	WO	9626217	EP	816380	FI	973402
		NO	973801	CA	2213469	CN	1175956
		HU	9900422				
AU	718458	WO	9807840	EP	874045	FI	980853
		NO	981748	NZ	330400	CA	2235148
		CN	1198776	JP	10057071	ZA	9707402
WO	9723614	AU	14686/97	BG	101813	CA	2210467
		CN	1182452	CZ	9702538	DE	19654610
		EP	784093	EP	870023	FR	2742767
		GB	2312899	HU	9801122	NO	973699
		NZ	326579	PL	321938	SK	1107/97
		TR	970550	US	6015938		
END OF ANNEX							